KRISHNA MOHAN

SOFTWARE / SOLUTIONS ARCHITECT / TECHNICAL LEADER

17+ Years | Faridabad, India | Open to India & Relocation Across Europe

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PROFESSIONAL & ENGINEERING ACHIEVEMENTS

- Software / Solutions Architect / Technical leader with **17+** years of experience in **enterprise software engineering, system design, modernization and distributed systems**
- Architected and modernized **5+** enterprise applications, transitioning legacy platforms toward **microservices**, **REST APIs** and **cloud-ready architectures**.
- Designed scalable **.NET** solutions supporting **1,000+ API** requests/day and **100+** concurrent users, applying **resilient service, system and integration patterns.**
- **Produced architecture and design documentation** covering **solution structure, service interactions, data flows and API-oriented integration decisions**.
- Evaluated architecture trade-offs across **scalability, performance, maintainability, resilience and infrastructure considerations** when shaping modernization approaches.
- Directed **architecture reviews**, **technical-risk assessments**, **scalability planning** and **modernization roadmaps** to address technical constraints and future growth.
- Reduced production defects by **90%** through engineering **standards, code reviews, automated validation and root-cause analysis**.
- Accelerated deployment cycles by **80%** through **CI/CD automation**, **DevOps practices** and **streamlined release processes**.
- Improved **SQL Server** performance by **85%** through **query tuning, indexing, ADO.NET optimization and data-access redesign**.
- Sustained **99%** application availability through **monitoring, observability, proactive troubleshooting and performance engineering**.
- Adopted **AWS/Azure** across **20%** of workloads, applying **scalable deployment patterns and cloud-oriented engineering practices**.
- Led **5+ .NET** engineers across **architecture decisions**, **mentoring, quality practices**, **delivery planning** and **engineering ownership**.
- Supported **5+** customers by translating business requirements into **secure, scalable and maintainable enterprise solutions**.

CORE SKILLS

- **Architecture & System Design:** Software Architecture | Solution Architecture | System Design | Enterprise Architecture | Distributed Systems | Microservices Architecture | Cloud-Native Architecture | API-Driven Architecture | Multi-Tier Architecture | Scalable Systems | Resilient Systems | High Availability | Fault Tolerance | Architecture Governance | Architecture Reviews | Architecture Standards | High-Level System Design | Data Flow Design | API Contracts
- **Architecture Decision-Making:** Technical Leadership | Architecture Trade-offs | Technical Risk Assessment | Scalability Planning | Cost-Performance Considerations | Technology Evaluation | Modernization Roadmaps | Design Reviews | Technical Decision-Making | Maintainability | Future Scalability | Resilience Engineering
- **Backend, APIs & Integration:** C# | .NET | ASP.NET Core | ASP.NET MVC | Web API | REST APIs | API Design & Integration | Web Services | Entity Framework | ADO.NET | JSON | Asynchronous Processing | Third-Party Integration | API-Led Integration | Service Integration
- **Distributed & Event-Driven Systems:** Microservices | Event-Driven Architecture | Kafka | Messaging | Asynchronous Workflows | Distributed Processing | Service Boundaries | Integration Patterns | Resilient Services
- **Cloud & DevOps:** Microsoft Azure | AWS | Cloud Architecture | Cloud-Native Applications | Cloud Adoption | CI/CD | DevOps | Deployment Automation | Containerization | SDLC | Cloud Workload Optimization | Operational Reliability
- **Data & Performance:** SQL Server | MySQL | Relational Databases | Query Optimization | Indexing | Data Access Optimization | SQL Performance Engineering | Application Performance Engineering | Performance Reviews | Monitoring | Observability
- **Security & Reliability:** Secure Coding | Application Security | Security Standards | Reliability Engineering | Availability Engineering | Production Troubleshooting | Root-Cause Analysis | Security-by-Design Concepts
- **Frontend & Engineering Quality:** React JS | JavaScript | jQuery | HTML | CSS | Bootstrap | Code Reviews | Automated Validation | Quality Engineering | Coding Standards | Maintainable Code | Design Patterns | SOLID | Object-Oriented Design | Agile | Scrum

- **Cloud / Platform — Learning:** Terraform | Kubernetes | NoSQL | Google Cloud Platform (GCP) | CloudFormation | Infrastructure as Code (IaC) | Cloud Identity & Access Concepts | Encryption Concepts | Caching Concepts | Data Pipeline Concepts

PROFESSIONAL EXPERIENCE

Manager IT — Technical Architect / Lead Software Engineer | Aug 2019 – Aug 2026

Scandi Tech Solutions Private Limited (formerly Qreo Consultancy India Pvt. Ltd.) | Faridabad, Haryana

- Translated requirements from **5+** customers into **secure, scalable and maintainable enterprise solutions, balancing functional needs with architecture and delivery constraints.**
- Applied **microservices**, **event-driven integration, Kafka/messaging concepts, asynchronous processing** and **distributed-system principles to modernize enterprise platforms.**
- Established reusable frameworks and engineering standards covering **architecture**, **secure coding, design patterns, API development and development governance**.
- Strengthened enterprise architecture through solution **design, architecture reviews, technical-risk assessment, scalability planning, performance reviews and modernization roadmaps**.
- Designed **full-stack .NET solutions** across presentation, **API**, business and data layers using **C#, ASP.NET Core/MVC, Web API, JavaScript and SQL Server**.
- Expanded cloud-oriented engineering practices across **AWS/Azure** workloads and supported **CI/CD**, deployment automation and operational reliability.
- Re-engineered **25+** MATLAB algorithms into **C#.NET** with interactive charting, cutting analysis turnaround time by **50%**.

Senior Software Developer | Aug 2017 – Jul 2019

Qreo India Pvt. Ltd. | Faridabad, Haryana

- Contributed across up to 80% of the development of lifecycles, from analysis and design through implementation, optimization and deployment.

Development Manager | Apr 2015 – Aug 2017

SysDiva Consultants Pvt. Ltd.

- Engineered an apparel solution using C#.NET, HTML, JavaScript, jQuery and JSON with Web Services/WCF and AJAX integration.

Development Manager | Sep 2014 – Mar 2015

GlocalEdge Consultancy Pvt. Ltd.

- Increased user engagement by 30% through engineering of social-media applications using client- and server-side technologies.

Development Manager | Apr 2013 – Aug 2014

FSL Software Technologies Ltd.

- Integrated order-management and tracking capabilities, reducing processing delays by 25%.

Software Developer | Jul 2012 – Feb 2013

Algol Business Systems Pvt. Ltd.

- Optimized an educational web application, improving reporting efficiency by 20% through OpenXML.

Software Developer | Jul 2009 – Jul 2012

Asean Institute of Insurance and Risk Management (AIIRM)

- Achieved 30% user-engagement growth through an education-tool web application and optimized office maintenance for 15% cost reduction.

EDUCATION

- Executive PG Program in Data Science — IIIT Bangalore | Jul 2022 – Nov 2023
- Master in Computer Applications — IGNOU, India | Jul 2008 – Jun 2011
- B.Sc. — VKSU, India | Jul 1997 – Jun 2000

LANGUAGES, TOOLS & PROFESSIONAL STRENGTHS

Languages: English – Fluent | Hindi – Fluent | German – Learning A1

Professional Strengths: Cross-functional collaboration | Stakeholder communication | Technical mentoring | Influencing | Delegation | Process improvement